



# OCR Gateway GCSE Physics Paper 1 Revision Checklist

Focused OCR Gateway GCSE Physics Paper 1 revision checklist for students aiming for Grades 8-9.

## OCR Gateway Physics Paper 1 Revision Topics

- P1 - Matter
- Particle Model
- States of Matter
- Density
- Internal Energy
- Specific Heat Capacity
- Gas Pressure
- Changes of State
- P2 - Forces
- Contact and Non-Contact Forces
- Weight and Mass
- Resultant Forces
- Work Done
- Elasticity and Hooke's Law
- Pressure

- Moments and Levers
- Motion and Speed
- Acceleration
- Newton's Laws
- P3 - Electricity and Magnetism
- Current, Potential Difference and Resistance
- Series and Parallel Circuits
- Electrical Power
- Domestic Electricity
- Static Electricity
- Magnetic Fields
- Electromagnets
- Motor Effect
- Transformers

## **Required Practicals**

- Density Required Practical
- Specific Heat Capacity Practical
- Hooke's Law Practical
- Resistance Required Practical
- Series and Parallel Circuits Practical

## **Most Important Topics for Grade 8-9**

- Circuit calculations
- Forces and motion equations
- Density and specific heat capacity
- Hooke's Law
- Magnetism and electromagnets
- Required practicals
- Energy transfers
- Graph interpretation

## **Grade 9 Skills**

- Rearranging equations
- Showing full calculation working

- Using correct units
- Graph interpretation
- Data analysis
- Evaluating practical methods
- Applying physics to unfamiliar contexts
- Writing clear six-mark explanations

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*Prepared for GCSE Sciences*